

What is claimed is:

1. A liquid chromatograph mass spectrometer, comprising:

a liquid chromatograph portion for supplying a liquid sample,
an ionization chamber having an ~~atomizer~~
~~nebuliser~~

liquid chromatograph portion for nebulizing the liquid sample in
the ionization chamber, a produced nebulized sample being ionized
by applying a high voltage thereto,

a mass spectrometry portion connected to the ionization
chamber for receiving the ionized sample and analyzing the sample,

a supply flow path connected to the ionization chamber for
supplying a nitrogen gas and an oxygen gas, and

a controlling mechanism connected to the supply flow path for
controlling a composition ratio of the nitrogen gas and oxygen gas
in the ionization chamber.

2. A liquid chromatograph mass spectrometer according to claim 1,
wherein said ~~atomizer~~
~~nebuliser~~ is formed of double tubes for a liquid sample
supply flow path and a nebulized gas supply flow path.

3. A liquid chromatograph mass spectrometer according to claim 2,
further comprising a nebulized gas supply section connected to the
nebulized gas supply flow path for supplying a nebulized gas
including a nitrogen gas and an oxygen gas.

4. A liquid chromatograph mass spectrometer according to claim 3,
further comprising a control section connected to the nebulized gas
supply section for controlling a composition ratio of the nitrogen
gas and oxygen gas.

5. A liquid chromatograph mass spectrometer, comprising:

a liquid chromatograph portion for supplying a liquid sample,
 an ionization chamber having an ~~atomizer~~^{nebuliser} connected to the
 liquid chromatograph portion for nebulizing the liquid sample in
 the ionization chamber, said atomizer being formed of double tubes
 for a liquid sample supply flow path and a nebulized gas supply
 flow path for supplying a mixture of a nitrogen gas and an oxygen
 gas, a produced nebulized sample being ionized by applying a high
 voltage thereto,

a control mechanism connected to the nebulized gas supply flow
 path for controlling a composition ratio of the nitrogen gas and
 the oxygen gas, and

a mass spectrometry portion connected to the ionization
 chamber for receiving the ionized sample and analyzing the sample.